

IN THE SPECIFICATION:

Please amend Tables 12 to 21 beginning at page 32, and ending at page 37,

as follows:

Table 12: *Staphylococcus aureus*

Probe No.	SEQ. ID No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PA-1	<u>1</u>	5' GAACCGCATGGTTCAAAAGTGAAAGA 3'	3000	42.9	2900	40.8
PA-2	<u>2</u>	5' CACTTATAGATGGATCCGCGCTGC 3'	7700	110.0	7700	108.5
PA-3	<u>3</u>	5' TGCACATCTTGACGGTACCTAATCAG 3'	6400	91.4	6400	90.1
PA-4	<u>4</u>	5' CCCCTTAGTGCTGCAGCTAACG 3'	2500	37.5	2500	35.2
PA-5	<u>5</u>	5' AATACAAAGGGCAGCGAAACCGC 3'	7800	111.4	7800	109.9
PA-6	<u>6</u>	5' CCGGTGGAGTAACCTTTTAGGAGCT 3'	4800	68.6	4800	67.6
PA-7	<u>7</u>	5' TAACCTTTTAGGAGCTAGCCGTCGA 3'	4500	64.3	4300	60.6
PA-8	<u>8</u>	5' TTAGGAGCTAGCCGTCGAAGGT 3'	4800	68.6	4800	67.6
PA-9	<u>9</u>	5' TAGCCGTCGAAGGTGGGACAAAT 3'	5300	75.7	5200	73.2

Table 13: *Staphylococcus epidermidis*

Probe No.	SEQ. ID No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PB-1	<u>15</u>	5' GAACAGACGAGGAGCTTGCTCC 3'	1000	14.5	1100	15.7
PB-2	<u>16</u>	5' TAGTGAAAGACGGTTTGTGCTGCACT 3'	1800	26.1	1800	25.7
PB-3	<u>17</u>	5' TAAGTAACTATGCACGTCTTGACGGT 3'	1400	20.3	1400	20
PB-4	<u>18</u>	5' GACCCCTCTAGAGATAGAGTTTCCC 3'	1000	14.5	1100	15.7
PB-5	<u>19</u>	5' AGTAACCATTGGAGCTAGCCGTC 3'	1800	26.1	2000	28.6
PB-6	<u>20</u>	5' GAGCTTGCTCCTCTGACGTTAGC 3'	1200	17.4	1300	18.6
PB-7	<u>21</u>	5' AGCCGGTGGAGTAACCATTTGG 3'	1100	15.9	1100	15.7

Table 14: *Escherichia coli*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PC-1	<u>25</u>	5' CTCCTTGCCATCGGATGTGCCCA 3'	1200	17.6	1200	17.9
PC-2	<u>26</u>	5' ATACCTTTTGCTCATTGACGTTACCCG 3'	1500	22.1	1600	23.9
PC-3	<u>27</u>	5' TTTGCTCATTGACGTTACCCGCAG 3'	1100	16.2	1200	17.9
PC-4	<u>28</u>	5' ACTGGCAAGCTTGAGTCTCGTAGA 3'	2000	29.4	2100	31.3
PC-5	<u>29</u>	5' ATACAAAGAGAAGCGACCTCGCG 3'	1500	22.1	1500	22.4
PC-6	<u>30</u>	5' CGGACCTCATAAAGTGCCTCGTAGT 3'	2400	35.3	2600	38.8
PC-7	<u>31</u>	5' GCGGGGAGGAAGGGAGTAAAGTTAAT 3'	1200	17.6	1200	17.9

Table 15: *Klebsiella pneumoniae*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PD-1	<u>37</u>	5' TAGCACAGAGAGCTTGCTCTCGG 3'	500	7.6	600	9
PD-2	<u>38</u>	5' TCATGCCATCAGATGTGCCCAGA 3'	600	9.1	600	9
PD-3	<u>39</u>	5' CGGGGAGGAAGGCGATAAGGTTAAT 3'	700	10.6	700	10.4
PD-4	<u>40</u>	5' TTCGATTGACGTTACCCGCAGAAGA 3'	1000	15.2	1200	17.9
PD-5	<u>41</u>	5' GGTCTGTCAAGTCGGATGTGAAATCC 3'	2700	40.9	2700	40.3
PD-6	<u>42</u>	5' GCAGGCTAGAGTCTTGTAGAGGGG 3'	3400	51.5	3300	49.3

Table 16: *Pseudomonas aeruginosa*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PE-1	<u>48</u>	5' TGAGGGAGAAAGTGGGGGATCTTC 3'	3500	50.0	3600	50
PE-2	<u>49</u>	5' TCAGATGAGCCTAGGTCGGATTAGC 3'	1600	22.9	1400	19.4
PE-3	<u>50</u>	5' GAGCTAGAGTACGGTAGAGGGTGG 3'	3500	50.0	3400	47.2
PE-4	<u>51</u>	5' GTACGGTAGAGGGTGGTGGAAATT 3'	3100	44.3	3100	43.1
PE-5	<u>52</u>	5' GACCACCTGGACTGATACTGACAC 3'	1600	22.9	1600	22.2
PE-6	<u>53</u>	5' TGGCCTTGACATGCTGAGAACTTTC 3'	1200	17.1	1200	16.7
PE-7	<u>54</u>	5' TTAGTTACCAGCACCTCGGGTGG 3'	1000	14.3	1200	16.7
PE-8	<u>55</u>	5' TAGTCTAACCGCAAGGGGGACG 3'	1100	15.7	1100	15.3

Table 17: *Serratia marcescens*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PF-1	<u>58</u>	5' TAGCACAGGAGCTTGCTCCCT 3'	600	8.8	600	8.7
PF-2	<u>59</u>	5' AGGTGGTGAGCTTAATACGCTCATC 3'	700	10.3	600	8.7
PF-3	<u>60</u>	5' TCATCAATTGACGTTACTCGCAGAAG 3'	2000	29.4	2200	31.9
PF-4	<u>61</u>	5' ACTGCATTTGAAACTGGCAAGCTAGA 3'	2800	41.2	2700	39.1
PF-5	<u>62</u>	5' TTATCCTTTGTTGCAGCTTCGGCC 3'	700	10.3	700	10.1
PF-6	<u>63</u>	5' ACTTTCAGCGAGGAGGAAGGTGG 3'	3400	50.0	3300	47.8

Table 18: *Streptococcus pneumoniae*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PG-1	<u>69</u>	5' AGTAGAACGCTGAAGGAGGAGCTTG 3'	1000	14.9	1100	16.2
PG-2	<u>70</u>	5' CTGTCATCACTACCAGATGGACCTG 3'	1200	17.9	1300	19.1
PG-3	<u>71</u>	5' TGAGAGTGGAAAGTTCACACTGTGAC 3'	1000	14.9	1100	16.2
PG-4	<u>72</u>	5' GCTGTGGCTTAACCATAGTAGGCTTT 3'	1800	26.9	1900	27.9
PG-5	<u>73</u>	5' AAGCGGCTCTCTGGCTTGTAAC 3'	1300	19.4	1500	22.1
PG-6	<u>74</u>	5' TAGACCCITTCGGGGTTTAGTGC 3'	1300	19.4	1300	19.1
PG-7	<u>75</u>	5' GACGGCAAGCTAATCTCTTAAAGCCA 3'	2000	29.9	2100	30.9

Table 19: *Haemophilus influenzae*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PH-1	<u>78</u>	5' GCTTGGAATCTGGCTATGGAGG 3'	3500	50.0	3600	50
PH-2	<u>79</u>	5' TGCCATAGGATGAGCCCAAGTGG 3'	600	8.8	700	10.1
PH-3	<u>80</u>	5' CTTGGAATGTACTGACGCTCATGTG 3'	600	8.8	600	8.7
PH-4	<u>81</u>	5' GGATTGGGCTTAGAGCTTGGTGC 3'	1100	16.2	1200	17.4
PH-5	<u>82</u>	5' TACAGAGGGAAGCGAAGCTGCG 3'	700	10.3	600	8.7
PH-6	<u>83</u>	5' GGCGTTTACCACGGTATGATTATGA 3'	1300	19.1	1300	18.8
PH-7	<u>84</u>	5' AATGCTACCAAGCCTGCGATCT 3'	2100	30.9	2200	31.9
PH-8	<u>85</u>	5' TATCGGAAGATGAAAGTGCGGGACT 3'	700	10.3	600	8.7

Table 20: *Enterobacter cloacae*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PI-1	<u>86</u>	5' CAGAGAGCTTGCTCTCGGGTGA 3'	2100	29.2	2200	.31
PI-2	<u>87</u>	5' GGGAGGAAGGTGTTGTGGTTAATAAC 3'	7900	109.7	7900	111.3
PI-3	<u>88</u>	5' GGTGTTGTGGTTAATAACCACAGCAA 3'	1000	13.9	1300	18.3
PI-4	<u>89</u>	5' GCGGTCTGTCAAGTCGGATGTG 3'	6400	88.9	6400	90.1
PI-5	<u>90</u>	5' ATTCGAACTGGCAGGCTAGAGTCT 3'	9400	130.6	9200	129.6
PI-6	<u>91</u>	5' TAACCACAGCAATTGACGTTACCCG 3'	4700	65.3	4800	67.6
PI-7	<u>92</u>	5' GCAATTGACGTTACCCGCAGAAGA 3'	4600	63.9	4500	63.6

Table 21: *Enterococcus faecalis*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PJ-1	<u>98</u>	5' TTCTTTCCTCCCGAGTGCTTGCA 3'	1500	22.1	1500	20.8
PJ-2	<u>99</u>	5' AACACGTGGGTAACTACCATCAG 3'	2400	35.3	2700	37.5
PJ-3	<u>100</u>	5' ATGGCATAAGAGTGAAAGGCGCTT 3'	5600	82.4	5600	77.8
PJ-4	<u>101</u>	5' GACCCGCGGTGCATTAGCTAGT 3'	2300	33.8	2300	31.9
PJ-5	<u>102</u>	5' GGACGTTAGTAAGTGAACGTCCCT 3'	1000	14.7	1400	19.4
PJ-6	<u>103</u>	5' CTCAACCGGGGAGGGTCATTGG 3'	4400	64.7	4400	61.1
PJ-7	<u>104</u>	5' TTGGAGGGTTTCCGCCCTTCAG 3'	1700	25	1800	25

Please amend Tables 22 to 31 beginning at page 40, and ending at page 45, as follows:

Table 22: *Staphylococcus aureus*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PA-1	<u>1</u>	5' GAACCGCATGGTTCAAAAGTGAAAAGA 3'	14000	186.7	13000	173.3
PA-2	<u>2</u>	5' CACTTATAGATGGATCCGCGCTGC 3'	36000	480	35000	466.7
PA-3	<u>3</u>	5' TGCACATCTTGACGGTACCTAATCAG 3'	31000	413.3	29000	386.7
PA-4	<u>4</u>	5' CCCCTTAGTGCTGCAGCTAACG 3'	10000	133.3	10000	133.3
PA-5	<u>5</u>	5' AATACAAAGGGCAGCGAAACCGC 3'	39000	520	38500	513.3
PA-6	<u>6</u>	5' CCGGTGGAGTAACCTTTTAGGAGCT 3'	22000	293.3	22100	294.7
PA-7	<u>7</u>	5' TAACCTTTTAGGAGCTAGCCGTCGA 3'	22000	293.3	21800	290.7
PA-8	<u>8</u>	5' TTTAGGAGCTAGCCGTCGAAGGT 3'	25000	333.3	24000	320
PA-9	<u>9</u>	5' TAGCCGTCGAAGGTGGGACAAAT 3'	26000	346.7	25500	340

Table 23: *Staphylococcus epidermidis*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PB-1	<u>15</u>	5' GAACAGACGAGGAGCTTGCTCC 3'	4500	62.5	4700	67.1
PB-2	<u>16</u>	5' TAGTGAAAGACGGTTTTGCTGTCACT 3'	9000	125	8900	127.1
PB-3	<u>17</u>	5' TAAGTAACATGACAGTCTTGACGGT 3'	7100	98.6	7300	104.3
PB-4	<u>18</u>	5' GACCCCTCTAGAGATAGAGTTTTCCC 3'	4800	66.7	5200	74.3
PB-5	<u>19</u>	5' AGTAACATTGTGGAGCTAGCCGTC 3'	9100	126.4	9300	132.9
PB-6	<u>20</u>	5' GAGCTTGCTCCTCTGACGTTAGC 3'	5800	80.6	6300	90
PB-7	<u>21</u>	5' AGCCGGTGGAGTAACCATTTGG 3'	5400	75	5500	78.6

Table 24: *Escherichia coli*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PC-1	<u>25</u>	5' CTCCTTGCCATCGGATGTGCCCA 3'	5600	76.7	6200	83.8
PC-2	<u>26</u>	5' ATACCTTTTGCTCATTGACGTTACCCG 3'	7600	104.1	7500	101.4
PC-3	<u>27</u>	5' TTTGCTCATTGACGTTACCCGCAG 3'	5600	76.7	5700	77
PC-4	<u>28</u>	5' ACTGGCAAGCTTGAGTCTCGTAGA 3'	9400	128.8	9300	125.7
PC-5	<u>29</u>	5' ATACAAAGAGAAGCGACCTCGCG 3'	7200	98.6	7200	97.3
PC-6	<u>30</u>	5' CGGACCTCATAAAGTGCGTCGTAGT 3'	11500	157.5	11500	155.4
PC-7	<u>31</u>	5' GCGGGGAGGAAGGGAGTAAAGTTAAT 3'	5600	76.7	5500	74.3

Table 25: *Klebsiella pneumoniae*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PD-1	<u>37</u>	5' TAGCACAGAGAGCTTGCTCTCGG 3'	2000	28.6	2100	30
PD-2	<u>38</u>	5' TCATGCCATCAGATGTGCCCAGA 3'	2500	35.7	2600	37.1
PD-3	<u>39</u>	5' CGGGGAGGAAGGCCGATAAGGTTAAT 3'	2900	41.4	2900	41.4
PD-4	<u>40</u>	5' TTCGATTGACGTTACCCGCAGAAGA 3'	4500	64.3	4700	67.1
PD-5	<u>41</u>	5' GGTCTGTCAAGTCGGATGTGAAATCC 3'	9900	141.4	10100	144.3
PD-6	<u>42</u>	5' GCAGGCTAGAGTCTTGTAGAGGGG 3'	13000	185.7	13400	191.4

Table 26: *Pseudomonas aeruginosa*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PE-1	<u>48</u>	5' TGAGGGAGAAAGTGGGGGATCTTC 3'	17000	239.4	17300	240.3
PE-2	<u>49</u>	5' TCAGATGAGCCTAGGTCGGATTAGC 3'	8300	116.9	8600	119.4
PE-3	<u>50</u>	5' GAGCTAGAGTACGGTAGAGGGTGG 3'	17400	245.1	17000	236.1
PE-4	<u>51</u>	5' GTACGGTAGAGGGTGGTGGAAATTC 3'	15000	211.3	16000	222.2
PE-5	<u>52</u>	5' GACCACCTGGAGCTGATACTGACAC 3'	8000	112.7	8300	115.3
PE-6	<u>53</u>	5' TGGCCTTGACATGCTGAGAACTTTC 3'	5400	76.1	5800	80.6
PE-7	<u>54</u>	5' TTAGTTACCAGCACCTCGGGTGG 3'	5300	74.6	5100	70.8
PE-8	<u>55</u>	5' TAGTCTAACCGCAAGGGGGACG 3'	5400	76.1	5000	69.4

Table 27: *Serratia marcescens*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PF-1	<u>58</u>	5' TAGCACAGGGAGCTTGCTCCCT 3'	3100	43.7	3300	45.2
PF-2	<u>59</u>	5' AGGTGGTGAGCTTAATACGCTCATC 3'	3300	46.5	3200	43.8
PF-3	<u>60</u>	5' TCATCAATTGACGTTACTCGCAGAAG 3'	10100	142.3	10000	137
PF-4	<u>61</u>	5' ACTGCATTTGAAACTGGCAAGCTAGA 3'	12000	169	11800	161.6
PF-5	<u>62</u>	5' TTATCCTTGTGTGACGTTTCGCC 3'	4100	57.7	4200	57.5
PF-6	<u>63</u>	5' ACTTTCAGCGAGGAGGAAGGTGG 3'	14300	201.4	14300	195.9

Table 28: *Streptococcus pneumoniae*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PG-1	<u>69</u>	5' AGTAGAACGCTGAAGGAGGAGCTTG 3'	4500	63.4	4300	60.6
PG-2	<u>70</u>	5' CTTGCATCACTACCAGATGGACCTG 3'	5800	81.7	5600	78.9
PG-3	<u>71</u>	5' TGAGAGTGGAAAGTTCACACTGTGAC 3'	5000	70.4	4900	69
PG-4	<u>72</u>	5' GCTGTGGCTTAACCATAGTAGGCTTT 3'	8700	122.5	8800	123.9
PG-5	<u>73</u>	5' AAGCGGCTCTCTGGCTTGTAAC 3'	7200	101.4	7300	102.8
PG-6	<u>74</u>	5' TAGACCTTTTCGGGGTTTAGTGC 3'	6700	94.4	7000	98.6
PG-7	<u>75</u>	5' GACGGCAAGCTAATCTCTTAAAGCCA 3'	10200	143.7	9900	139.4

Table 29: *Haemophilus influenzae*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PH-1	<u>78</u>	5' GCTTGGAATCTGGCTTATGGAGG 3'	3100	44.3	3200	45.1
PH-2	<u>79</u>	5' TGCCATAGGATGAGCCCAAGTGG 3'	3200	45.7	3200	45.1
PH-3	<u>80</u>	5' CTTGGAATGTACTGACGCTCATGTG 3'	4900	70	3600	78.9
PH-4	<u>81</u>	5' GGATTGGGCTTAGAGCTTGGTGC 3'	3900	55.7	3800	53.5
PH-5	<u>82</u>	5' TACAGAGGGAAGCGAAGCTGCG 3'	6700	95.7	6500	91.5
PH-6	<u>83</u>	5' GGGCTTTACCACGGTATGATTATGA 3'	10200	145.7	11000	154.9
PH-7	<u>84</u>	5' AATGCCTACCAAGCCTGCGATCT 3'	4200	60	4100	57.7
PH-8	<u>85</u>	5' TATCGGAAGATGAAAGTGCGGGACT 3'	3200	45.7	3500	49.3

Table 30: *Enterobacter cloacae*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PI-1	<u>86</u>	5' CAGAGAGCTTGCTCTCGGGTGA 3'	10000	133.3	9900	133.8
PI-2	<u>87</u>	5' GGGAGGAAGGTGTTGTGGTTAATAAC 3'	38000	506.7	38000	513.5
PI-3	<u>88</u>	5' GGTGTTGTGGTTAATAACCACAGCAA 3'	4700	62.7	4700	63.5
PI-4	<u>89</u>	5' GCGGTCTGTCAAGTCGGATGTG 3'	31000	413.3	32000	432.4
PI-5	<u>90</u>	5' ATTCGAACTGGCAGGCTAGAGTCT 3'	47500	633.3	45000	608.1
PI-6	<u>91</u>	5' TAACCACAGCAATTGACGTTACCCG 3'	23600	314.7	24000	324.3
PI-7	<u>92</u>	5' GCAATTGACGTTACCCGCAGAAGA 3'	21500	286.7	22700	306.8

Table 31: *Enterococcus faecalis*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PJ-1	<u>98</u>	5' TTCCTTCCTCCCGAGTGCTTGCA 3'	7000	98.6	7300	101.4
PJ-2	<u>99</u>	5' AACACGTGGGTAACCTACCCATCAG 3'	12300	173.2	12000	166.7
PJ-3	<u>100</u>	5' ATGGCATAAGAGTGAAAGGCGCTT 3'	25000	352.1	27400	380.6
PJ-4	<u>101</u>	5' GACCCGCGGTGCATTAGCTAGT 3'	10000	140.8	11000	152.8
PJ-5	<u>102</u>	5' GGACGTTAGTAAGTGAACGTCCCT 3'	5600	78.9	5200	72.2
PJ-6	<u>103</u>	5' CTCAACCGGGGAGGGTCATTGG 3'	22100	311.3	22200	308.3
PJ-7	<u>104</u>	5' TTGGAGGGTTTCCGCCCTTCAG 3'	8800	123.9	9000	125

Please amend Tables 32 to 41 beginning at page 49, and ending at page 53,

as follows:

Table 32: *Staphylococcus aureus*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PA-10	<u>10</u>	5' ACGGACGAGAAGCTTGCTTCTCT 3'	247	3.4	146	2.1
PA-11	<u>11</u>	5' TGTCACCTATAGATGGATCCGCGCT 3'	4177	57.9	3083	43.4
PA-12	<u>12</u>	5' TGTAAGTAAGTGTGCACATCTTGACG 3'	4686	64.9	3768	53.1
PA-13	<u>13</u>	5' ACAACTCTAGAGATAGAGCCTTCCCC 3'	2612	36.2	2709	38.2
PA-14	<u>14</u>	5' GTGGAGTAACCTTTTAGGAGCTAGCC 3'	26505	237.2	17560	247.3

Table 33: *Staphylococcus epidermidis*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PB-2	<u>16</u>	5' TAGTGAAAGACGGTTTTGCTGTCACT 3'	7000	94.1	1800	25.7
PB-4	<u>18</u>	5' GACCCCTCTAGAGATAGAGTTTTCCC 3'	3274	44.0	1100	15.7
PB-8	<u>22</u>	5' AGACGAGGAGCTTGCTCCTCTG 3'	111	1.5	59	0.8
PB-9	<u>23</u>	5' AGAACAAATGTGTAAGTAATATGCACGT 3'	6920	93.0	4910	70.1
PB-10	<u>24</u>	5' ACCATTTGGAGCTAGCCGTCGA 3'	15244	205.0	18136	259.1

Table 34: *Escherichia coli*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PC-4	<u>28</u>	5' ACTGGCAAGCTTGAGTCTCGTAGA 3'	5416	74.7	2100	31.3
PC-8	<u>32</u>	5' TAACAGGAAGAAGCTTGCTTCTTTGCTG 3'	160	2.2	112	1.7
PC-9	<u>33</u>	5' TTGCCATCGGATGTGCCAGAT 3'	4133	57.0	4581	68.4
PC-10	<u>34</u>	5' GGAAGGGAGTAAAGTTAATACCTTTGCTC 3'	4194	57.8	5349	79.8
PC-11	<u>35</u>	5' ATCTTTTGTGCCAGCGGTCCG 3'	6719	92.7	2594	38.7
PC-12	<u>36</u>	5' AAGGGAGTAAAGTTAATACCTTTGCTCATTG 3'	3984	58.6	4021	60.0

Table 35: *Klebsiella pneumoniae*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PD-7	<u>43</u>	5' TCATGCCATCAGATGTGCCAGAT 3'	5414	40.0	4171	62.3
PD-8	<u>44</u>	5' CGGGGAGGAAGGCGATAAGGTTAA 3'	4096	30.2	6227	93.0
PD-9	<u>45</u>	5' TTATCGATTGACGTTACCCGAGAAGA 3'	4122	30.4	3269	48.8
PD-10	<u>46</u>	5' CATTGAAACTGGCAGGCTAGAGTC 3'	9474	70.0	6486	96.9
PD-11	<u>47</u>	5' CCTTTGTTGCCAGCGTTAGGC 3'	10648	78.6	2754	41.1

Table 36: *Pseudomonas aeruginosa*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PE-1	<u>48</u>	5' TGAGGGAGAAAGTGGGGATCTTC 3'	6175	82.2	3600	50.0
PE-6	<u>53</u>	5' TGGCCTTGACATGCTGAGAACTTTC 3'	8159	108.6	1200	16.7
PE-7	<u>54</u>	5' TTAGTTACCAGACCTCGGGTGG 3'	3277	43.6	1200	16.7
PE-8	<u>55</u>	5' TGCATCCAAAATACTGAGCTAGAGTAC 3'	6626	88.2	7432	103.4
PE-9	<u>56</u>	5' GTCGACTAGCCGTTGGGATCCT 3'	5734	76.3	3365	46.8

Table 37: *Serratia marcescens*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PF-7	64	5' GGTAGCACAGGGGAGCTTGCTC 3'	4482	66.4	1040	15.1
PF-8	65	5' CGAGGAGGAAGGTGGTGAGCTTAATA 3'	6362	94.2	3199	46.3
PF-9	66	5' TACGCTCATCAATTGACGTTACTCGC 3'	4569	67.7	2884	41.8
PF-10	67	5' GAAACTGGCAAGCTAGAGTCTCGTAGA 3'	7905	117.1	6786	98.3
PF-11	68	5' TTATCCTTTGTTGCCAGCGGTCG 3'	12787	189.4	4849	55.7

Table 38: *Streptococcus pneumoniae*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PG-1	69	5' AGTAGAACGCTGAAGGAGGAGCTTG 3'	10078	70.3	1100	16.2
PG-5	73	5' AAGCGGCTCTCTGGCTTGTAAC 3'	4331	30.2	1500	22.1
PG-6	74	5' TAGACCCCTTCCGGGGTTTAGTGC 3'	4730	33.0	1300	19.1
PG-8	76	5' GACATTGCTTAAAAGGTGCACTTGCA 3'	7128	49.7	7720	113.6
PG-9	77	5' GTTGTAAGAGAAGAACGAGTGTGAGAGTG 3'	6665	46.5	3297	48.5

Table 39: *Haemophilus influenzae*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PH-1	78	5' GCTTGGAATCTGGCTTATGGAGG 3'	11106	150.3	3600	50.0
PH-2	79	5' TGCCATAGGATGAGCCCAAGTGG 3'	7056	95.5	700	10.1
PH-4	81	5' GGATTGGGCTTAGAGCTTGGTGC 3'	100	1.4	1200	17.4
PH-5	82	5' TACAGAGGAAGCGAAGCTGCG 3'	11237	152.1	600	8.7
PH-7	84	5' AATGCCTACCAAGCCTGCCGATCT 3'	5054	68.4	2200	31.9

Table 40: *Enterobacter cloacae*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PI-8	<u>93</u>	5' GTAGCACAGAGAGCTTGCTCTCG 3'	2221	30.1	582	8.2
PI-9	<u>94</u>	5' CGGGGAGGAAGGTGTTGTGGTTA 3'	5484	74.2	2193	30.9
PI-10	<u>95</u>	5' ACCACAGCAATTGACGTTACCCG 3'	3325	45.0	646	9.1
PI-11	<u>96</u>	5' GAAACTGGCAGGCTAGAGTCTTGTA 3'	7574	102.5	3039	42.8
PI-12	<u>97</u>	5' AGGCGGTCTGTCAAGTCGGATG 3'	5768	78.0	5701	80.3

Table 41: *Enterococcus faecalis*

Probe No.	SEQ. ID. No.	Sequence	First		Second	
			Fluorescence luminance	S/N	Fluorescence luminance	S/N
PJ-1	<u>98</u>	5' TTCTTTCTCCCGAGTGCTTGCA 3'	1012	14.9	1500	20.8
PJ-3	<u>100</u>	5' ATGGCATAAGAGTGAAAGGCGCTT 3'	4266	62.6	5600	77.8
PJ-5	<u>102</u>	5' GGACGTTAGTAACGTAACGTCCCT 3'	652	9.6	1400	19.4
PJ-8	<u>105</u>	5' ATAGAGCTTTCCTTCGGGGACAAA 3'	3232	47.5	810	11.2
PJ-9	<u>106</u>	5' CGAGGTCATGCAAACTCTTAAAGCTTCT 3'	11411	167.6	18776	260.7